

### A Sample Information Retrieval Index

Document A : Now is the time.

Document B : For all good men.

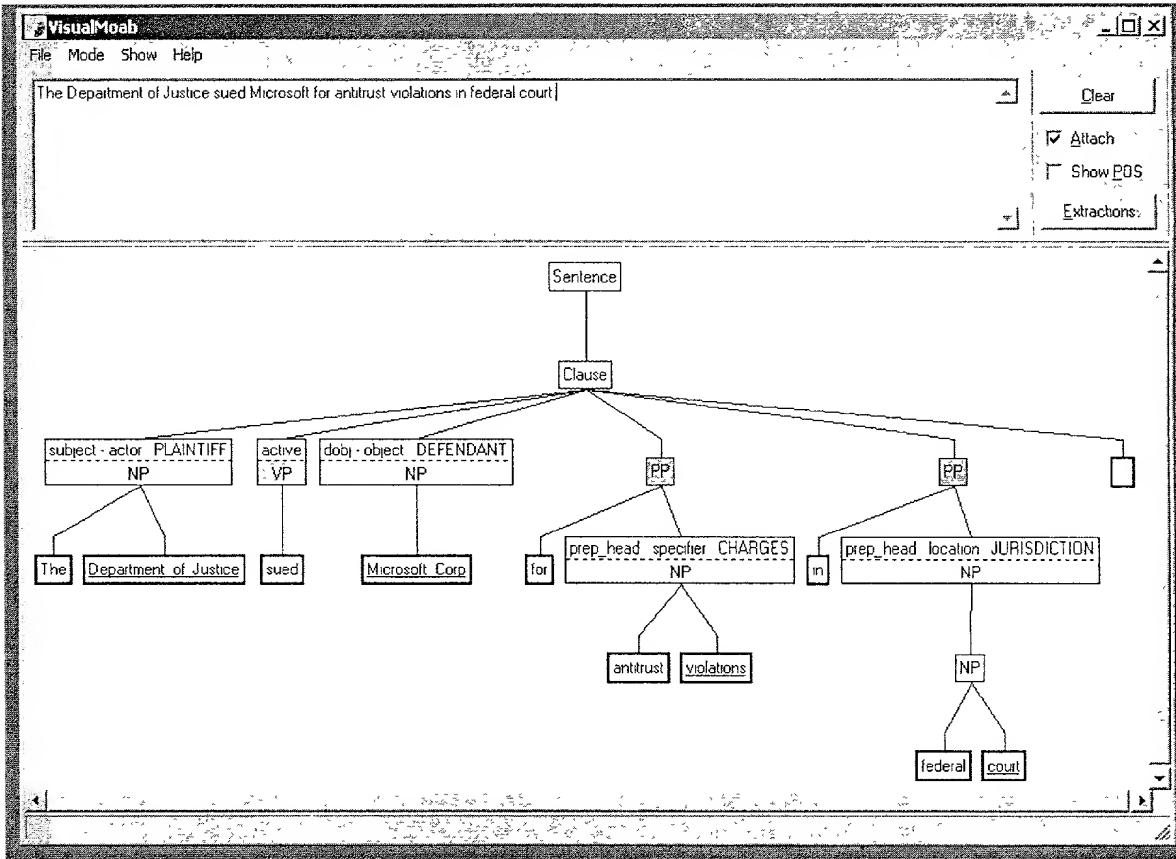
Document C: To come to the aid of their country.

	Document A	Document B	Document C
Now	1		
Is	1		
The	1		1
Time	1		
For		1	
All		1	
Good		1	
Men		1	
To			2
Come			1
Aid			1
of			1
their			1
country			1

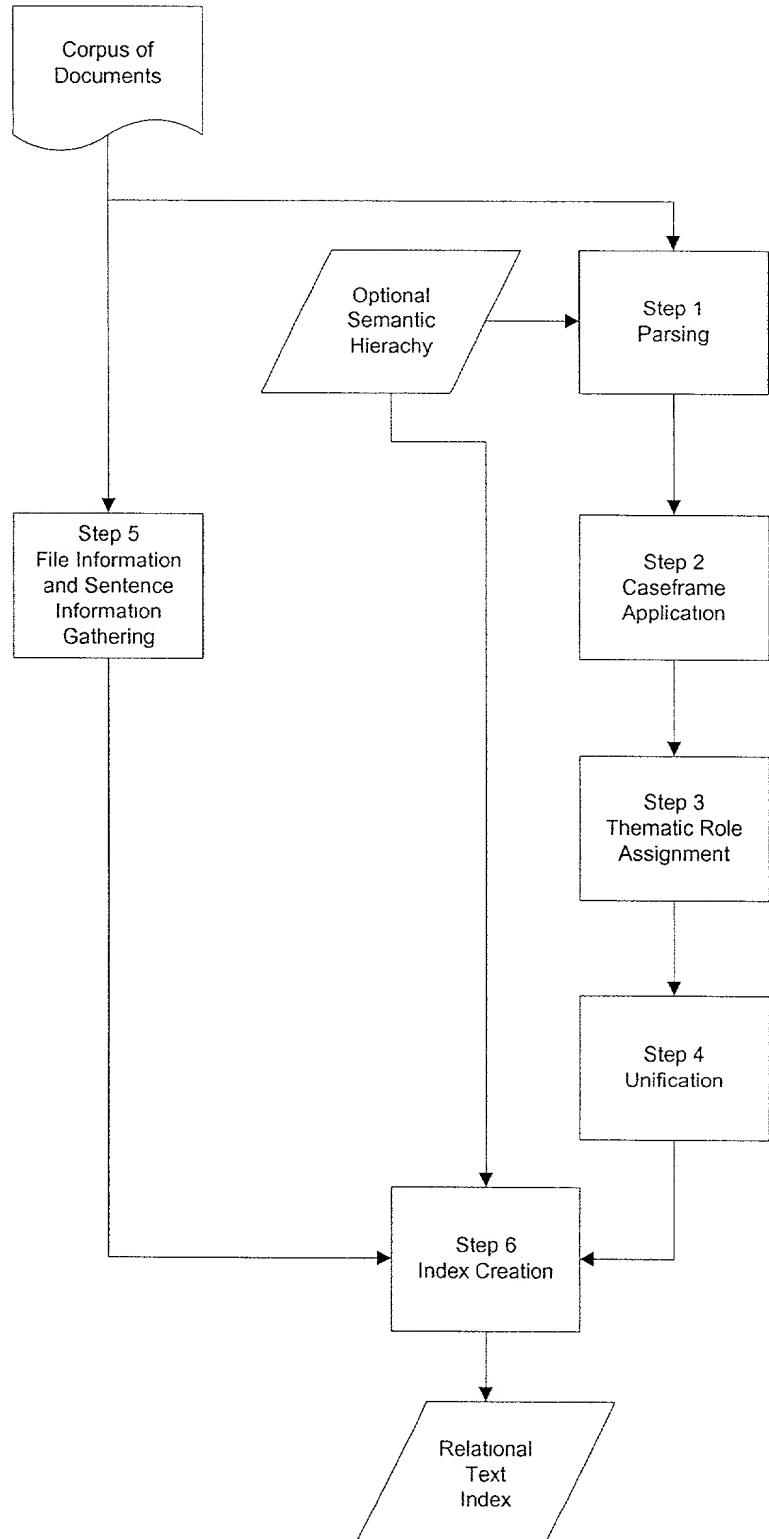
**Figure 1**

CLAUSE  
NP (SUBJ)  
The [article]  
Department of Justice [noun (phrasal, gov\_entity)]  
VP (ACTIVE\_VOICE)  
sued [verb, past tense]  
NP (DOBJ,)  
Microsoft [noun, (company)]  
PP  
for [preposition]  
NP  
antitrust [adjective]  
violations [noun]  
PP  
in  
NP  
federal [adjective]  
court [noun]

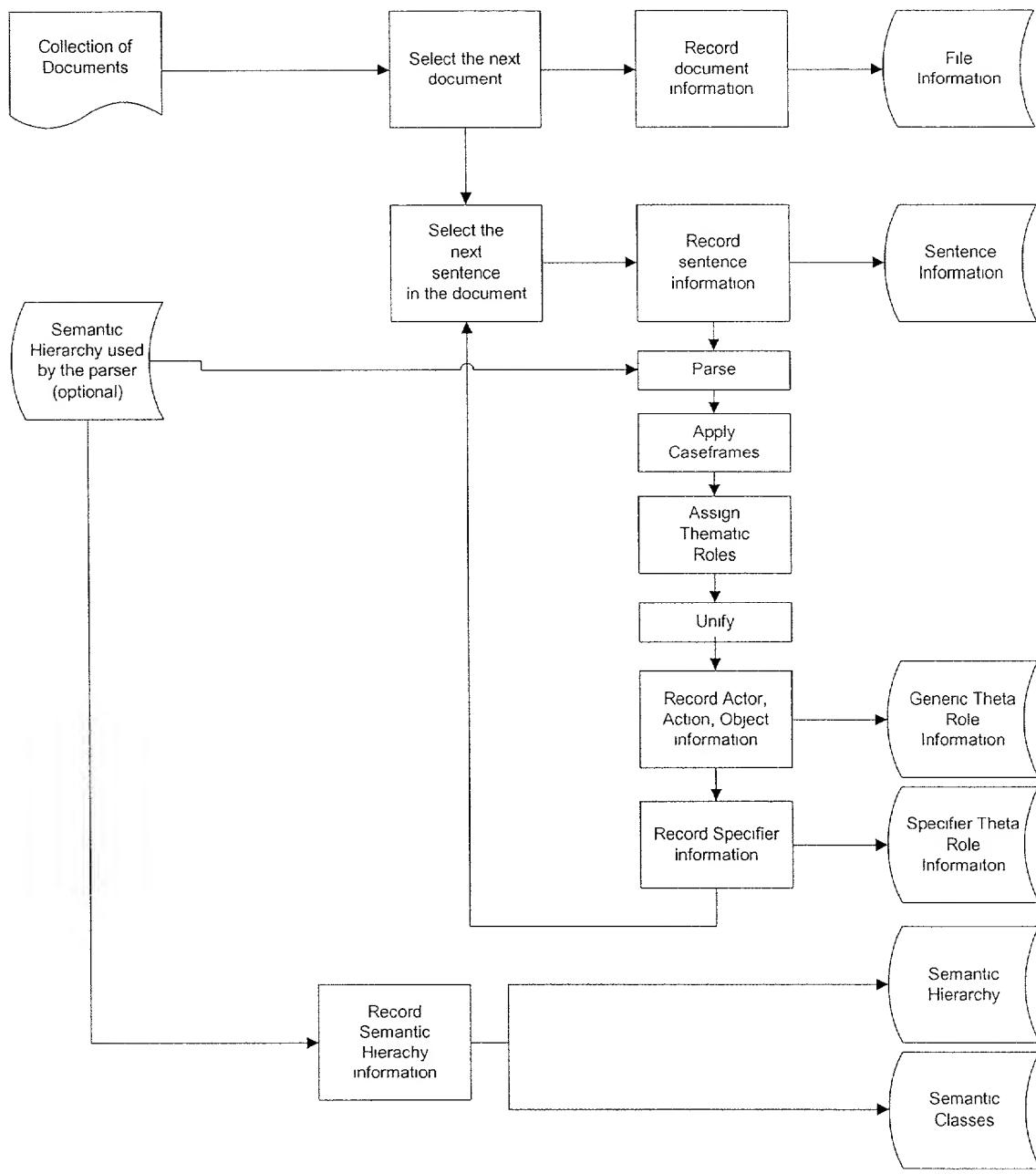
Figure 2a



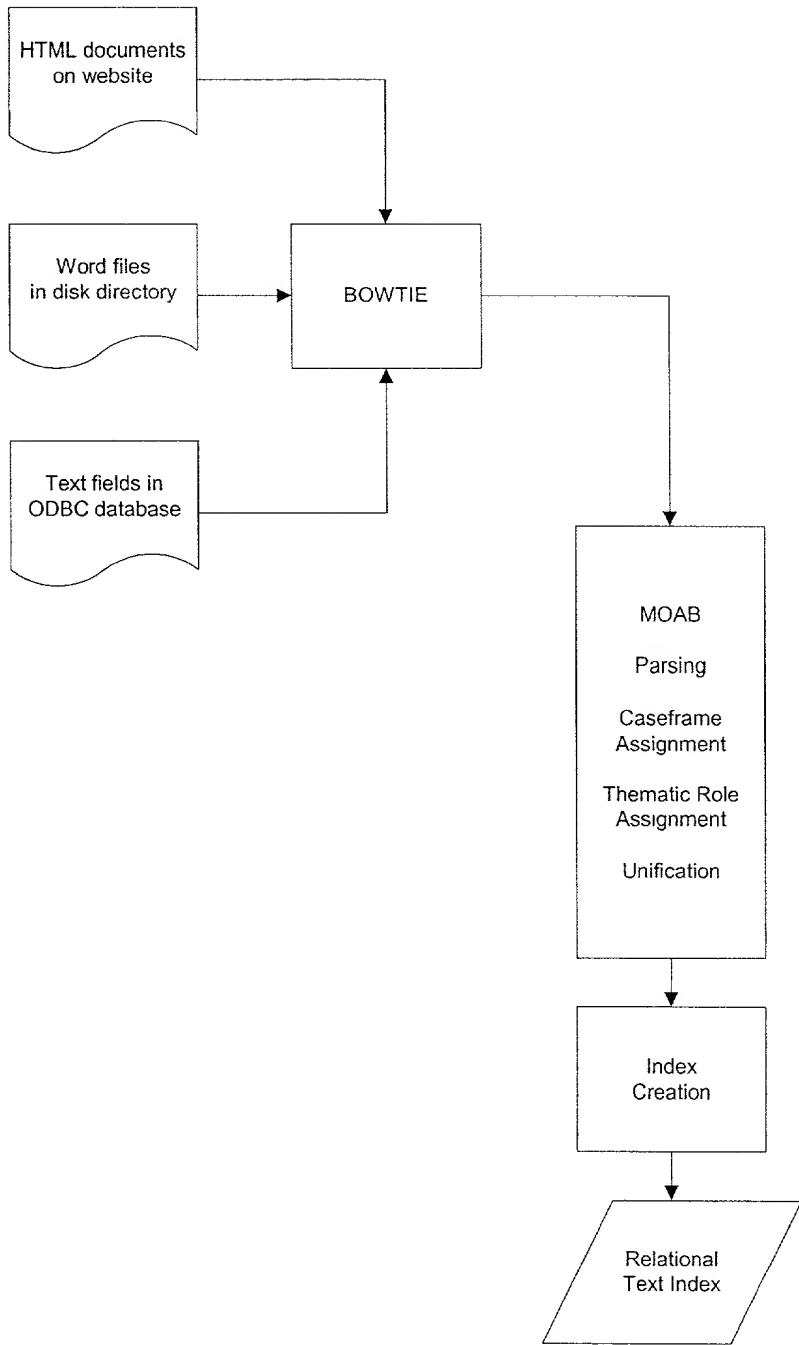
**Figure 2b**  
**A Graphical View of A Sentence Parse and Thematic Role Assignment**



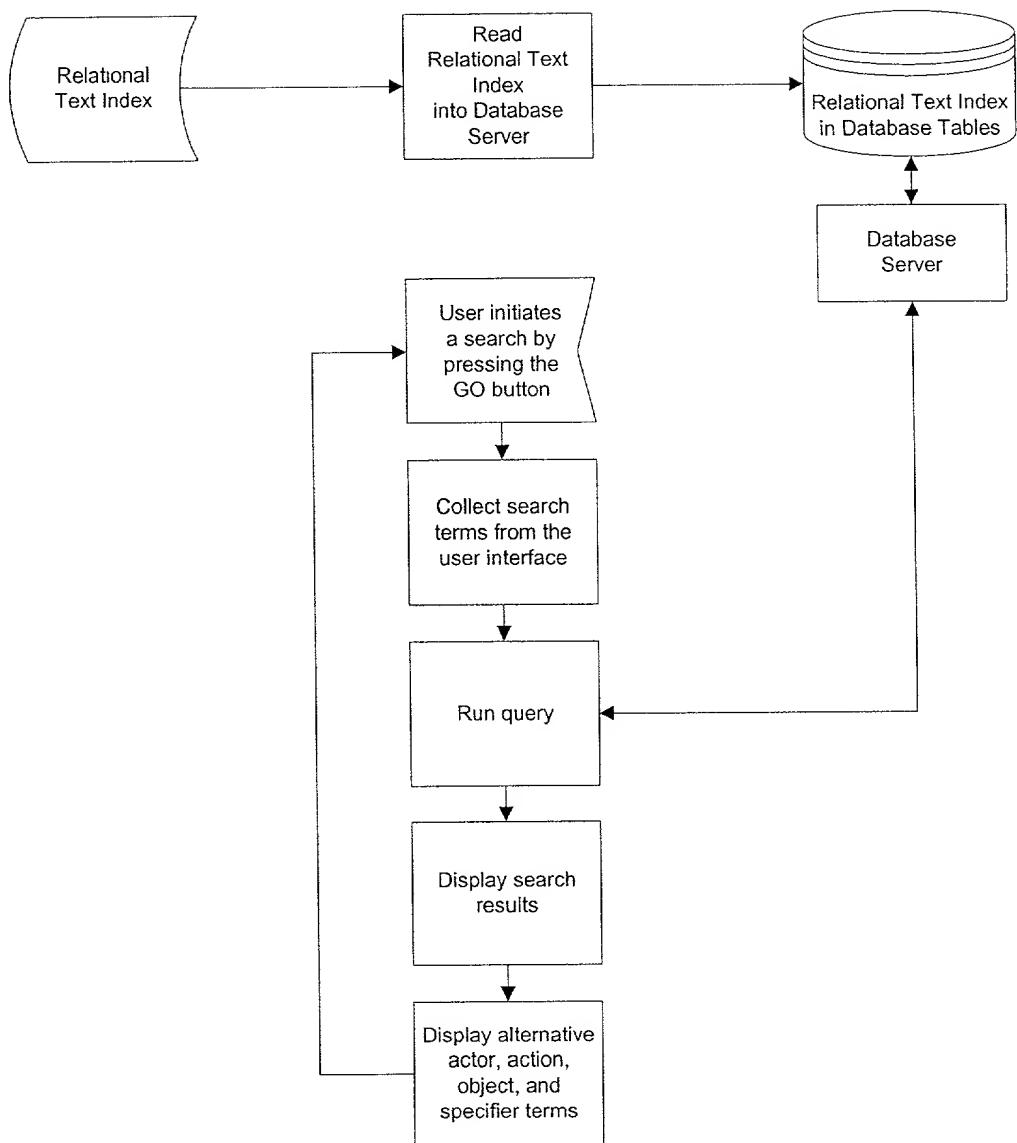
**Figure 3**  
**Index Creation Algorithm, High Level**



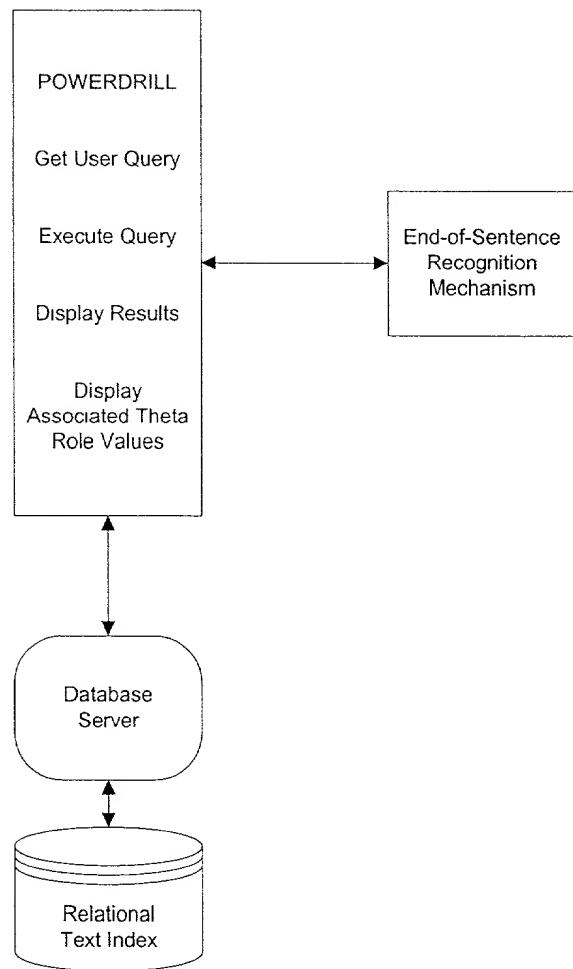
**Figure 4**  
**Index Creation Algorithm, Low Level**



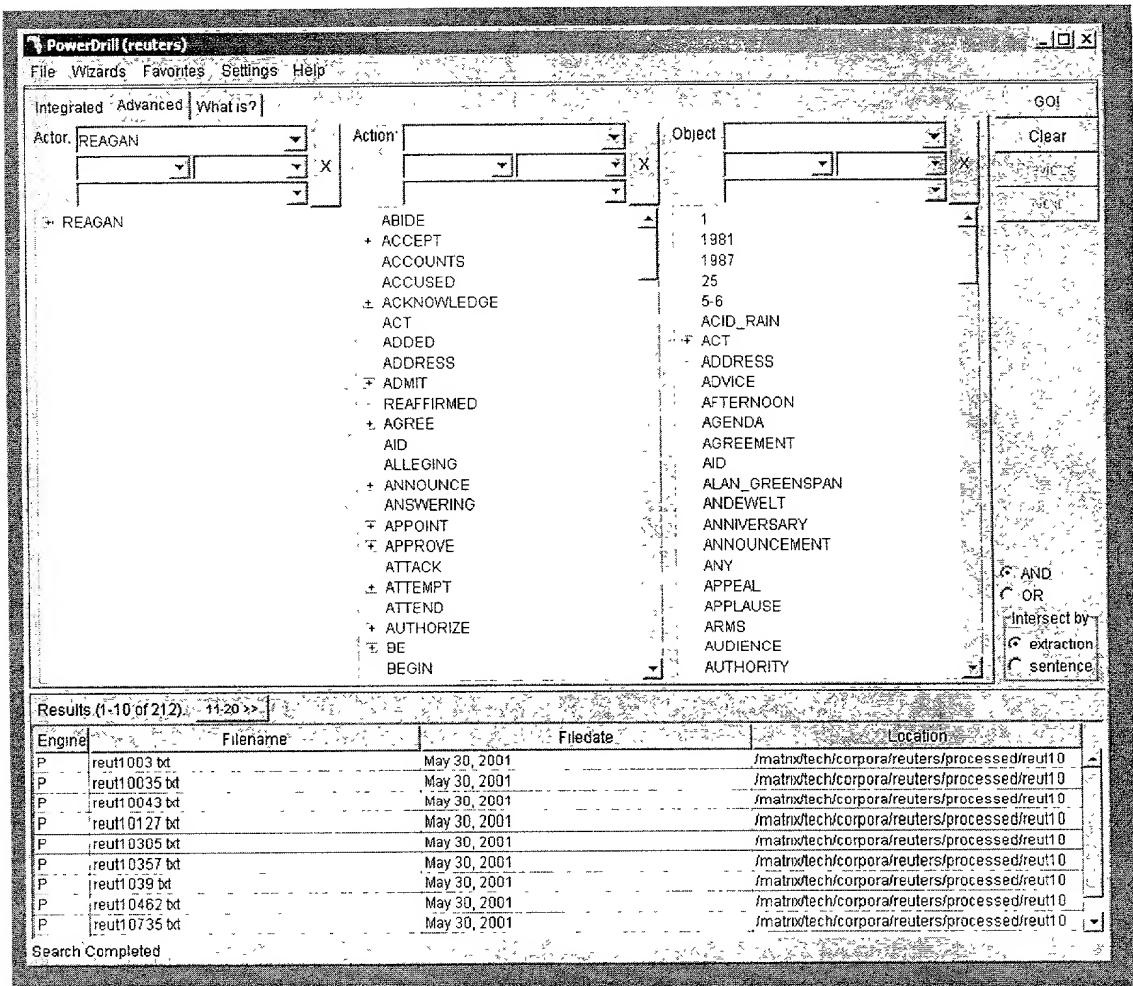
**Figure 5**  
**Overall Flow**



**Figure 6**  
**Flowchart – PowerDrill**



**Figure 7**  
**Overall Search Processing**



**FIGURE 8**

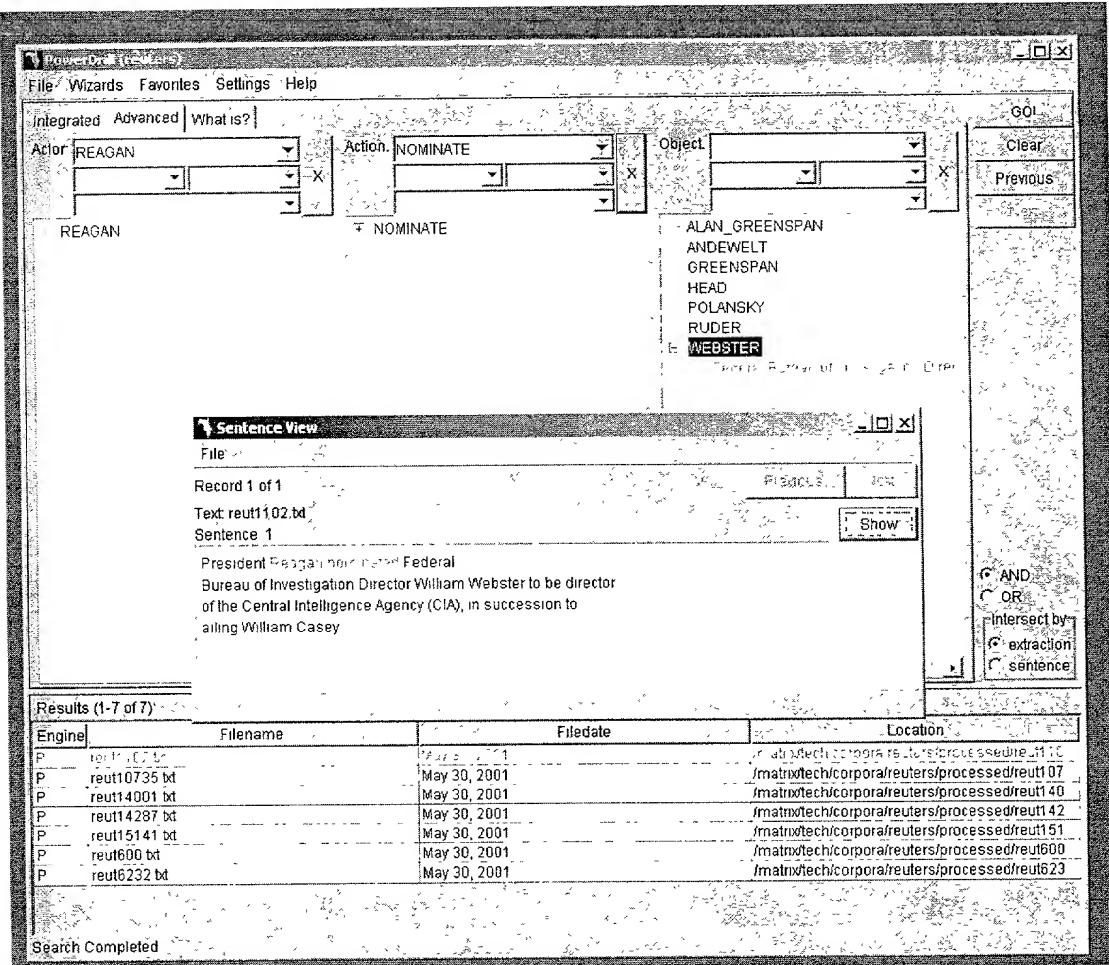


FIGURE 9

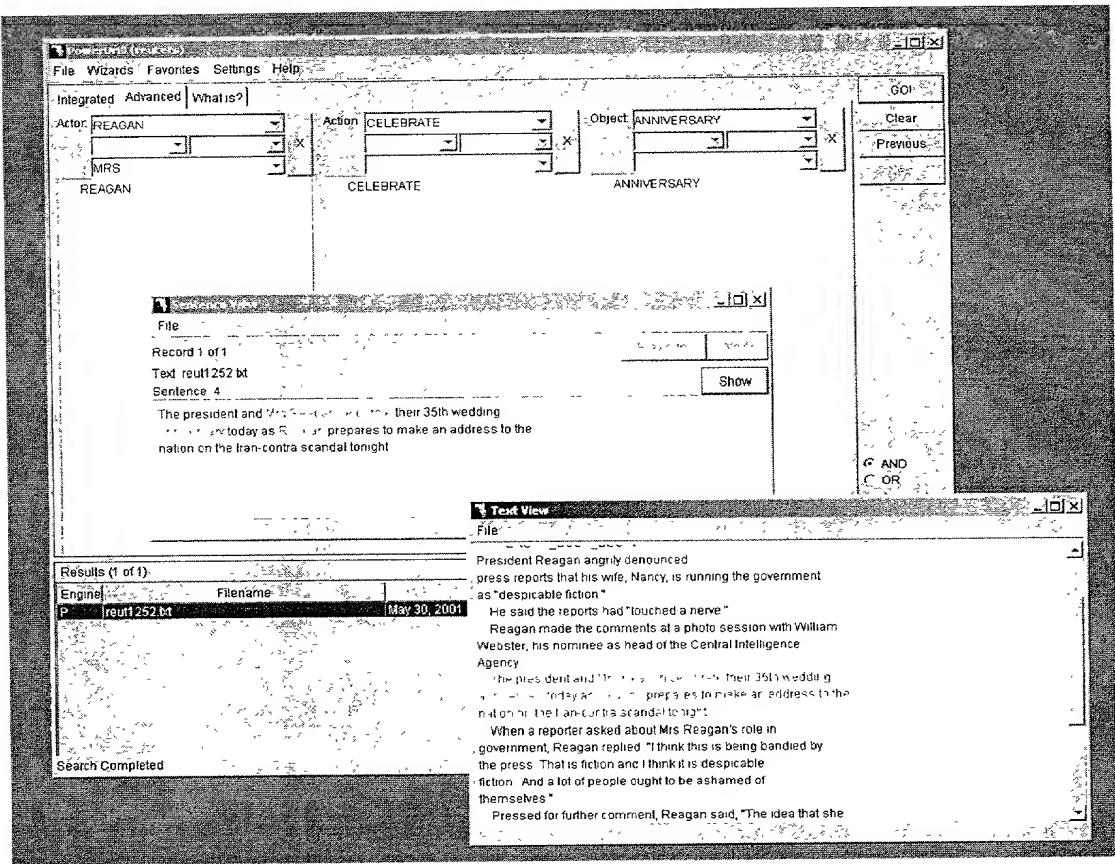


Figure 10

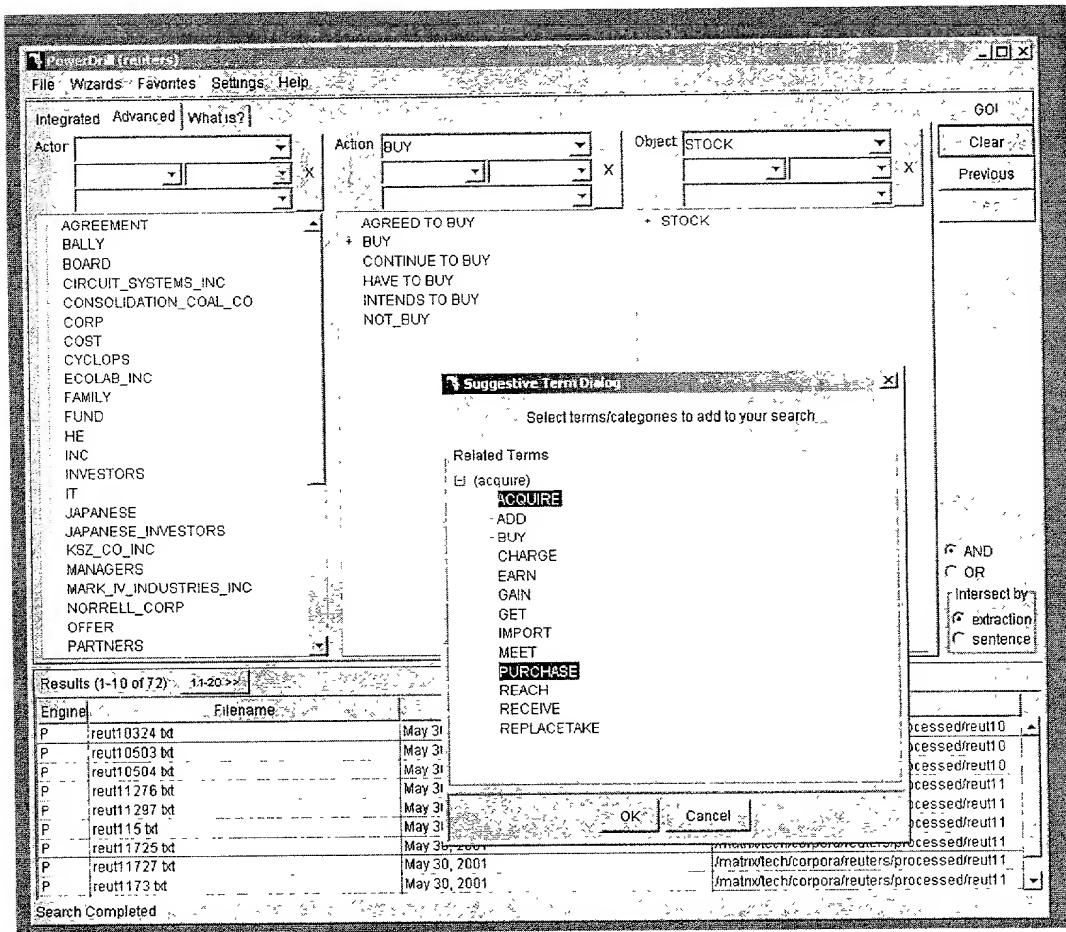


Figure 11

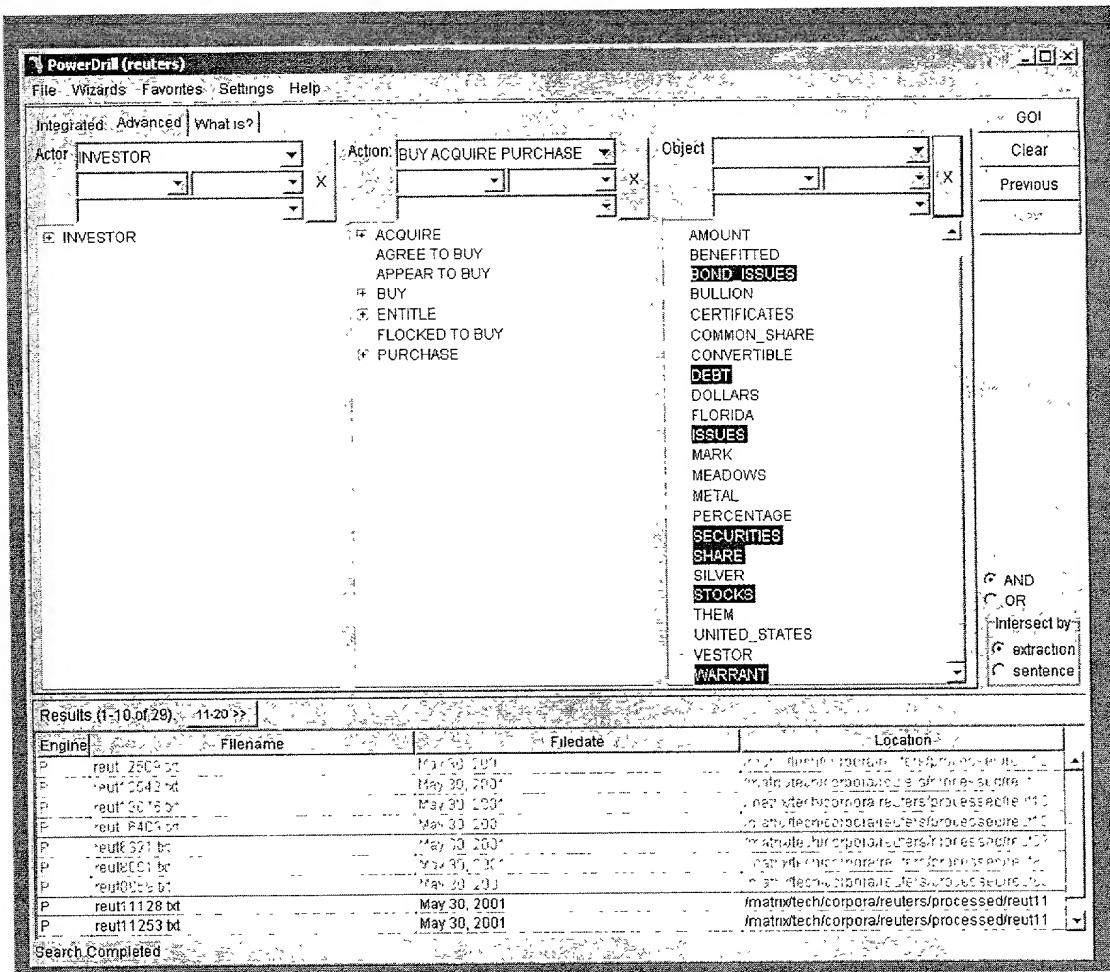


Figure 12

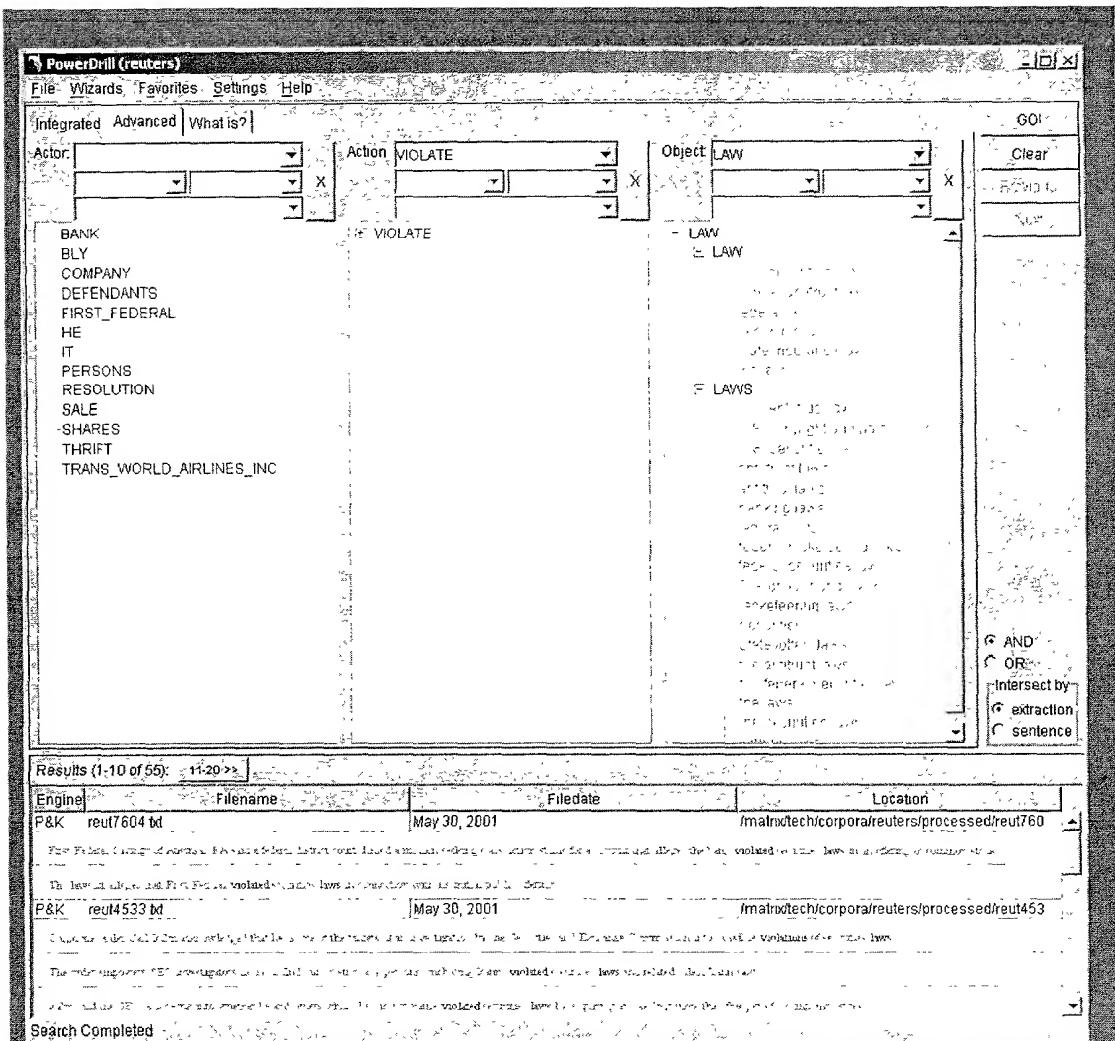


Figure 13